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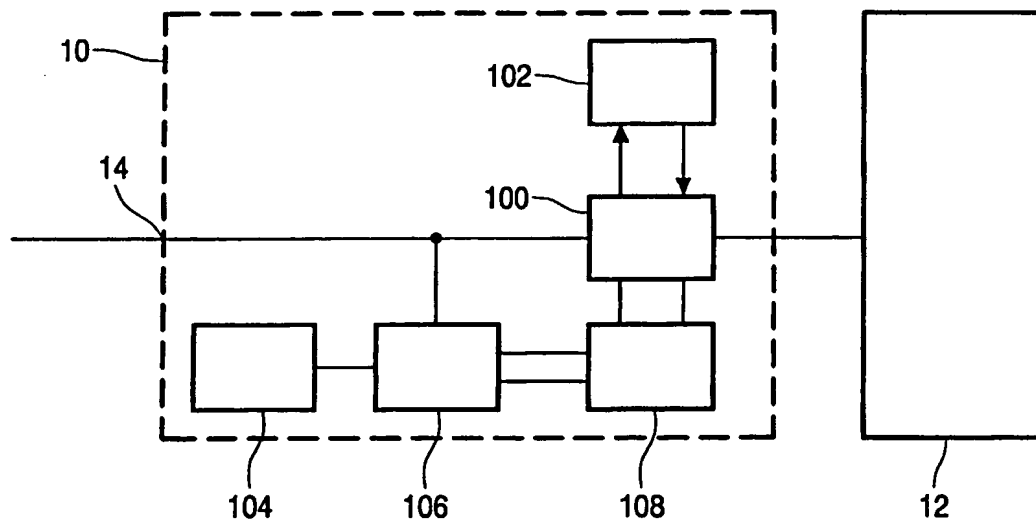
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[Continued on next page]

(54) Title: DATA PROCESSING APPARATUS THAT PROCESSES INCOMING BITS



(57) Abstract: A data processing apparatus receives a communication signal that contains temporally successive bits. A programmable processor circuit executes a plurality of series of programmed instructions for operations such as parity checking, each at a time of reception of a respective one of the bits. The processor circuit suspends operation each time after executing a respective one of the series of instructions. A synchronization circuit triggers execution of respective ones of the series, each time at the time of reception of the respective one of the bits, and, except for a last one of the series, prior to reception of one or more later bits that contribute to the data word.



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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 163 586 A (HONGBIN HAO JERRY ET AL) 19 December 2000 (2000-12-19)	1-3,9
A	column 1, line 59 - column 2, line 13 column 5, line 32 - column 6, line 21 column 6, line 50 - column 7, line 27 abstract; figure 4	4-8
X	US 2002/087781 A1 (MATSUBARA KIYOSHI ET AL) 4 July 2002 (2002-07-04)	1,9
A	column 1, paragraph 5 - paragraph 7 column 2, paragraph 36 - paragraph 46 abstract; figure 1	2-8
A	US 6 157 689 A (QUINN DAVID ET AL) 5 December 2000 (2000-12-05)	1-9
	abstract; figure 3	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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